



MISSION COVERAGE STATISTICS

KH-4 MISSION 1049-1

13-18 DECEMBER 1968

Declass Review by NIMA/DOD

DECEMBER 1968

COPY 33

13 PAGES

25X1

25X1

GROUP 1: EXCLUDED FROM
AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

INTRODUCTION

This publication provides preliminary coverage statistics, Greenwich Mean Time of passes, correlation of photographic coverage with WAC chart areas, coverage plots, and preliminary data for Mission 1049-1, dated 13-18 December 1968 (GMT).

Plot sheets are arranged by geographic areas as indicated by the index tabs. Coverage of the Eurasian land mass is divided into days to eliminate illegible overprinting.

Plots for the forward and aft cameras are portrayed as stereoscopic and/or monoscopic passes. Stereo passes will be shown with the forward-looking camera frame numbers inside the pass outline and the corresponding aft-looking camera frame numbers outside the pass outline. In the event of monoscopic coverage, only the frame numbers of the operative camera will appear. The relative location of photographs falling between the numbered frames may be approximated by interpolation.

All frames are indicated on the plot sheets, regardless of water coverage, total cloud cover, or a complete lack of imagery.

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25X1D

25X1A

PRELIMINARY MISSION DATA

Mission Number: 1049-1

Launch Date/Time (GMT): 12 December 1968/2222Z

Photo Dates (GMT): 13-18 December 1968

Recovery Date/Time (GMT): 19 December 1968/0122Z

Operational Photo Passes: 38

Operational Altitude Limits: 94-110 nautical miles

Photo Scale Range: 1:297,620 - 1:395,200

Operational Ground Coverage: (Fwd and Aft):

- a. Linear nautical miles: 55,880
- b. Square nautical miles: 8,382,000

Frames:

- a. Operational

Fwd-looking 2,799
Aft-looking 2,789

- b. Stellar 481
- c. Index 481

Operational Imagery Footage (Fwd and Aft): 13,841

Anomalies: No major malfunctions occurred during this mission.

Vehicle Attitude: Normal.

Image Quality:

- a. Both main cameras produced imagery of fair quality. The imagery appears soft and/or unsharp.
- b. Terrain camera: The image quality is typical for this system.
- c. Stellar Camera: Approximately 20 elongated stellar images are detectable in most stellar frames.

Cloud-Free Coverage: Approximately 25 percent of the entire mission is obscured by clouds.

GREENWICH MEAN TIME

These times are derived from preliminary data and cannot be verified at this time. They are carried to the nearest whole minute.

MISSION 1049-1

PASS	DATE (Z)	CAM ON		CAM OFF	
		HR (Z)	MIN (Z)	HR (Z)	MIN (Z)
5D	13 December 1968	05	45	05	46
6D (Part 1)	13 December 1968	07	13	07	14
6D (Part 2)	13 December 1968	07	23	07	24
7D (Part 1)	13 December 1968	08	42	08	43
7D (Part 2)	13 December 1968	08	46	08	48
9D	13 December 1968	11	42	11	43
10D	13 December 1968	13	09	13	11
21D	14 December 1968	05	24	05	27
22D	14 December 1968	06	54	06	57
23D (Part 1)	14 December 1968	08	24	08	24
23D (Part 2)	14 December 1968	08	28	08	28
25D	14 December 1968	11	30	11	31
26D	14 December 1968	12	48	12	50
30D	14 December 1968	19	01	19	02
37D	15 December 1968	05	02	05	06
38D (Part 1)	15 December 1968	06	31	06	36
38D (Part 2)	15 December 1968	06	39	06	40
39D (Part 1)	15 December 1968	08	01	08	03
39D (Part 2)	15 December 1968	08	06	08	06
40D (Part 1)	15 December 1968	09	29	09	29
40D (Part 2)	15 December 1968	09	31	09	31
41D (Part 1)	15 December 1968	10	57	10	58
41D (Part 2)	15 December 1968	11	00	11	01
42D	15 December 1968	12	26	12	30
52D	16 December 1968	03	12	03	12
53D	16 December 1968	04	41	04	45
54D (Part 1)	16 December 1968	06	12	06	16
54D (Part 2)	16 December 1968	06	17	06	19
55D (Part 1)	16 December 1968	07	40	07	41
55D (Part 2)	16 December 1968	07	42	07	43
55D (Part 3)	16 December 1968	07	46	07	46
56D	16 December 1968	09	07	09	08
57D	16 December 1968	10	40	10	41
58D	16 December 1968	12	06	12	08
59D	16 December 1968	13	42	13	43
68D	17 December 1968	02	52	02	54
69D	17 December 1968	04	20	04	24
70D (Part 1)	17 December 1968	05	52	05	53
70D (Part 2)	17 December 1968	05	57	05	58
71D	17 December 1968	07	23	07	26
72D (Part 1)	17 December 1968	08	46	08	48
72D (Part 2)	17 December 1968	08	50	08	51
73D	17 December 1968	10	17	10	19
74D (Part 1)	17 December 1968	11	44	11	48
74D (Part 2)	17 December 1968	11	51	11	53
83D	18 December 1968	01	12	01	12
85D	18 December 1968	04	00	04	02
86D	18 December 1968	05	29	05	34
87D (Part 1)	18 December 1968	06	58	06	59
87D (Part 2)	18 December 1968	07	02	07	06
88D	18 December 1968	08	31	08	32
90D	18 December 1968	11	29	11	31

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EURASIA

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AFRICA

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 SOUTH AMERICA

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SOUTHEAST ASIA

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